Inventor:

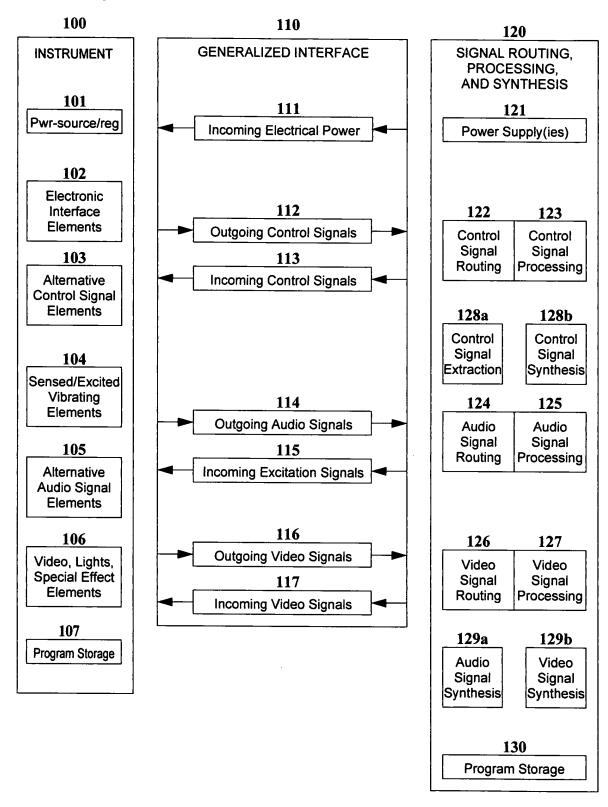
Lester F. Ludwig

Docket No.:

2738-29

1/72

Figure 1

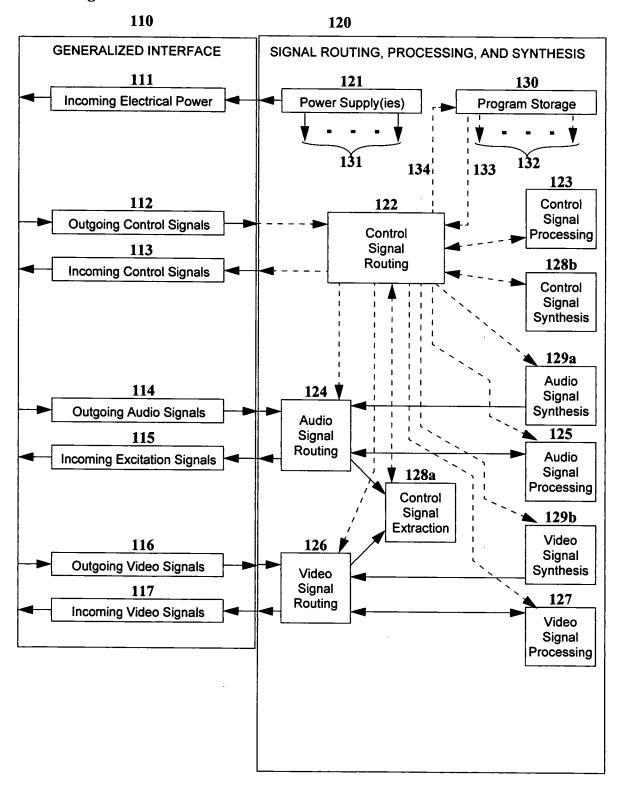


Inventor:

Lester F. Ludwig 2738-29

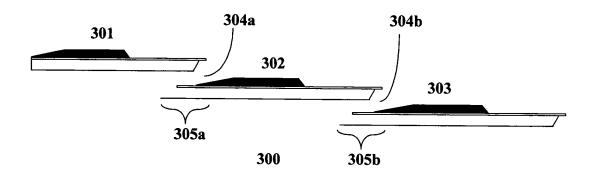
Docket No.:

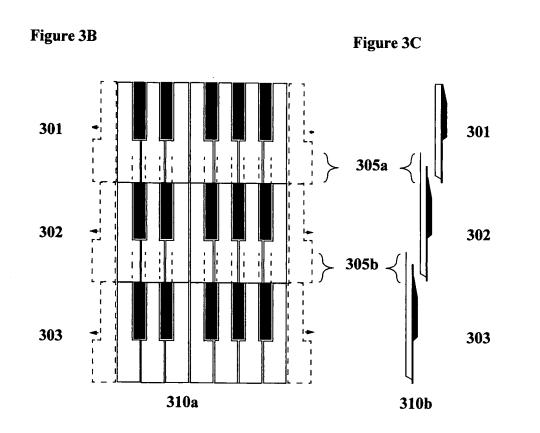
Figure 2



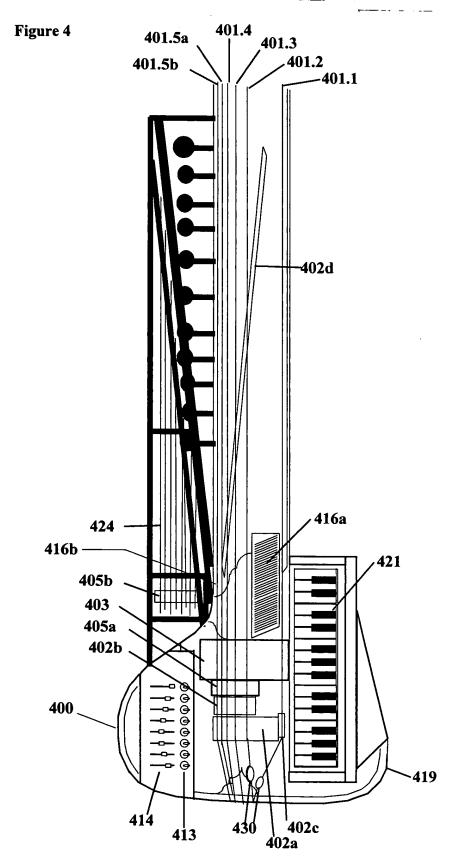
Inventor: Lester F. Ludwig Docket No.: 2738-29

Figure 3A





LAYERED SIGNAL PROCESSING FOR INDIVIDUAL AND GROUP OUTPUT OF MULTI-CHANNEL ELECTRONIC MUSICAL INSTRUMENTS Inventor: Lester F. Ludwig Docket No.: 2738-29



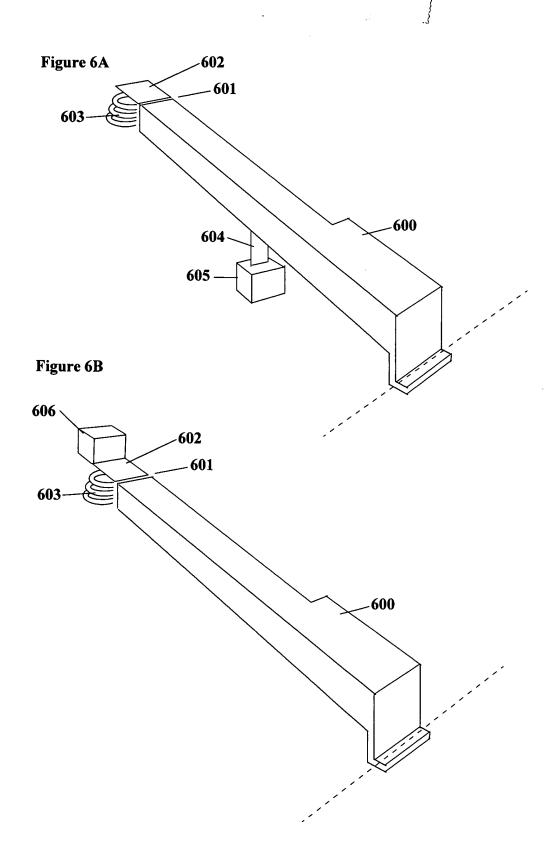
LAYERED SIGNAL PROCESSING FOR INDIVIDUAL AND GROUP OUTPUT OF MULTI-CHANNEL ELECTRONIC MUSICAL INSTRUMENTS Inventor: Lester F. Ludwig Docket No.: 2738-29 5/72 Figure 5 501.6 -501.5 -501.4 -501.3 --501.2 -501.1 521a **521b** 514a **500** 601 -507 -516a 505a 509 508 - 520 505b 503 502a 526 502c -522 -516b 523c 523b 506 514b **527** 523a 514c **519** 502b 524 **513**

525

Inventor:

Lester F. Ludwig 2738-29

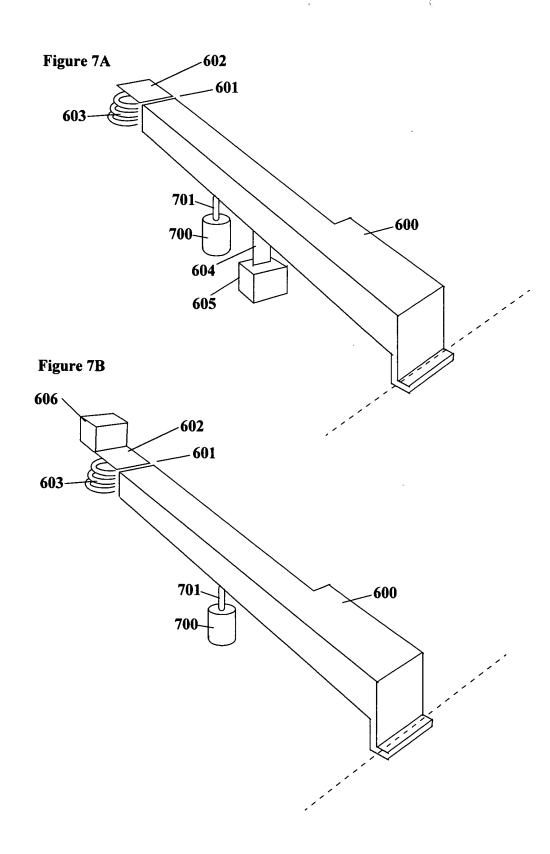
Docket No.: 2738-2





Inventor: Docket No.:

Lester F. Ludwig 2738-29

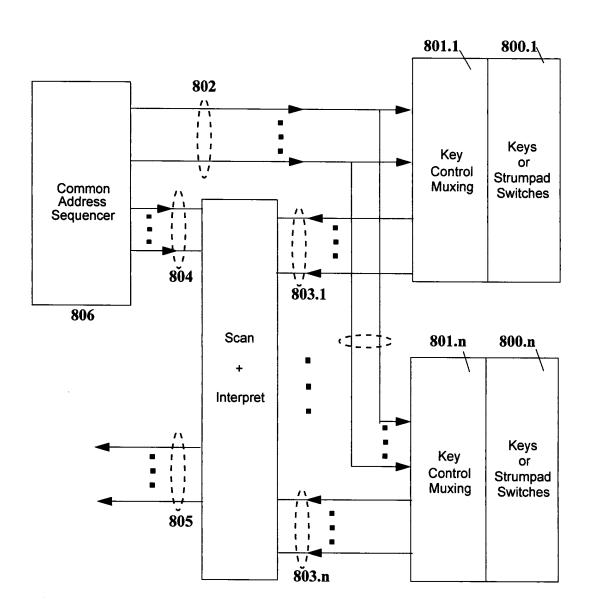


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 8

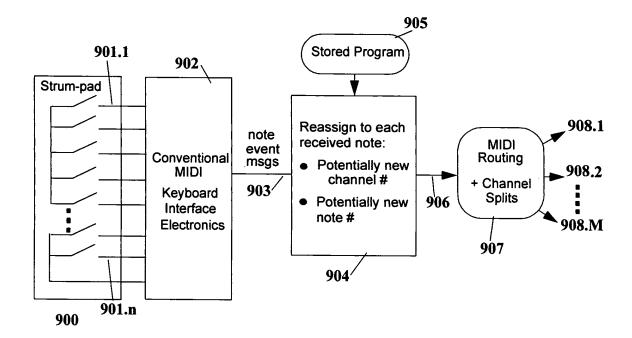


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

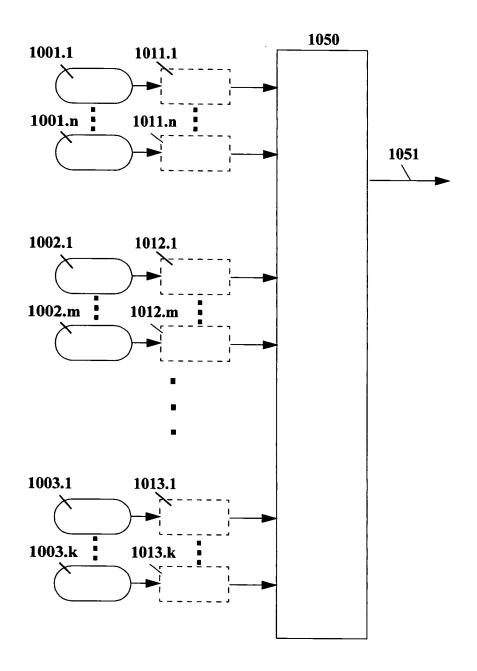
Figure 9



MUSICAL INSTRUMENTS
Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 10

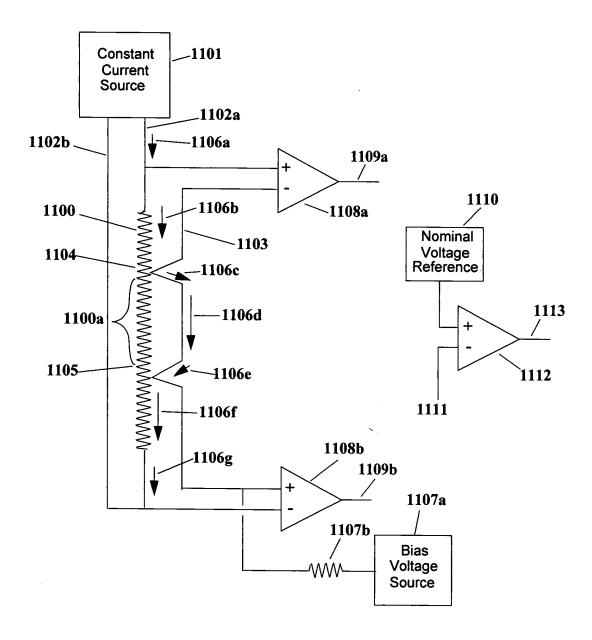


Inventor: Lester F. Ludwig

Docket No.: 2738-29

11 / 72

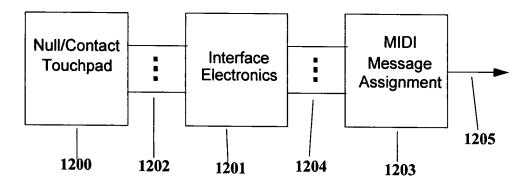
Figure 11



Inventor: Lester F. Ludwig

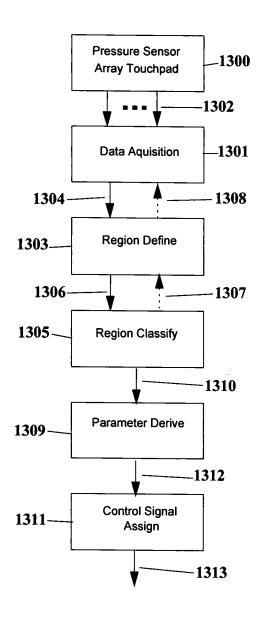
Docket No.: 2738-29

Figure 12



Inventor: Docket No.: Lester F. Ludwig 2738-29

Figure 13



Inventor:

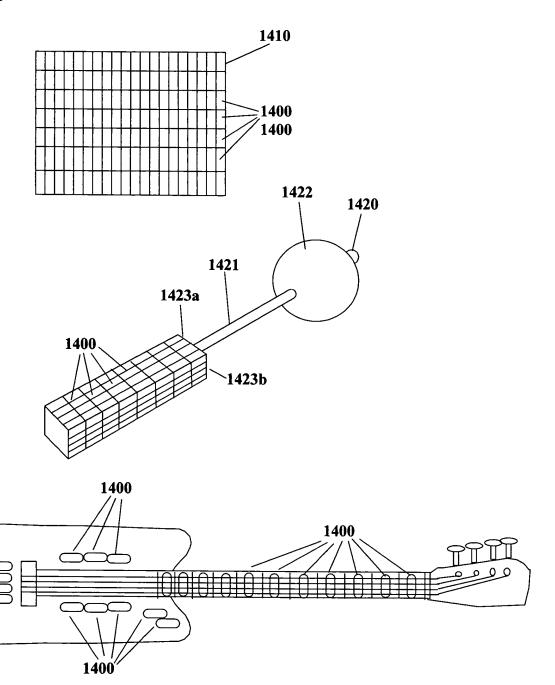
Lester F. Ludwig 2738-29

Docket No.: 2738-2

14 / 72

Figure 14

1400





15 / 72

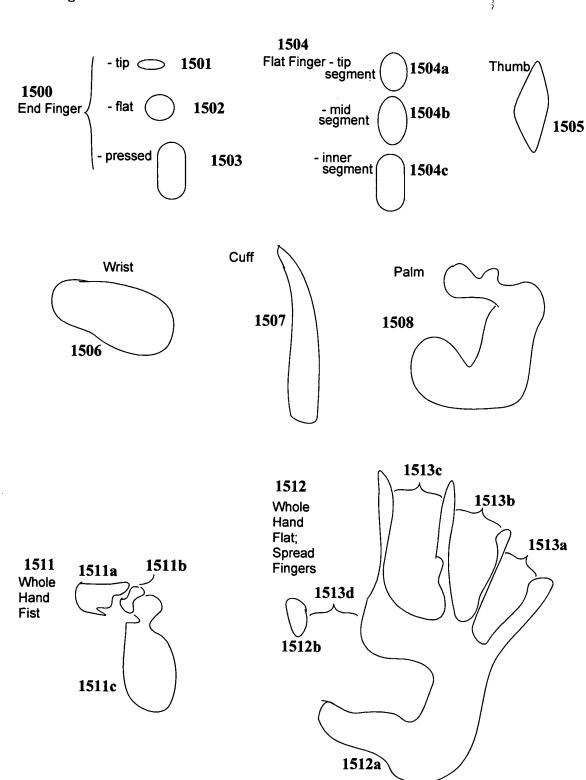
Inventor:

Lester F. Ludwig

Docket No.:

2738-29

Figure 15



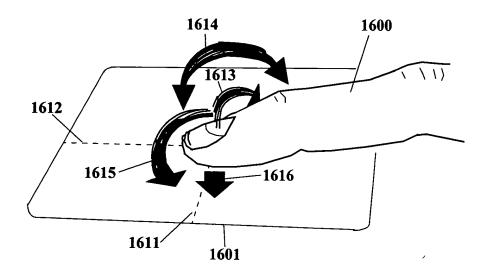
Inventor:

Lester F. Ludwig

2738-29

Docket No.:

Figure 16

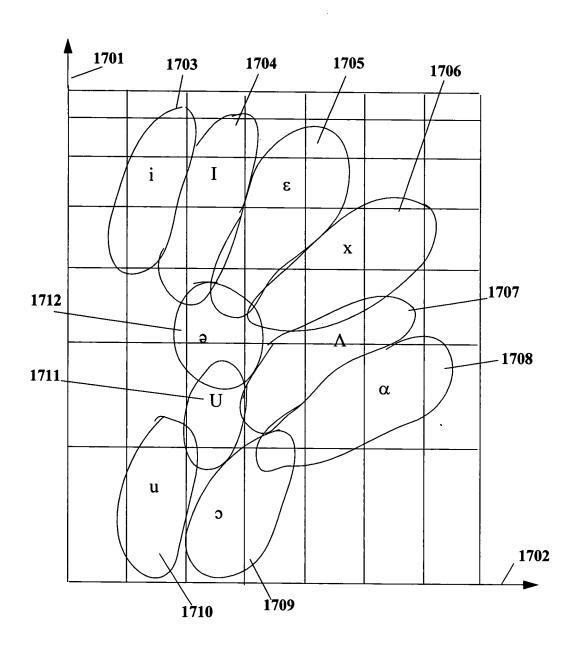


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 17

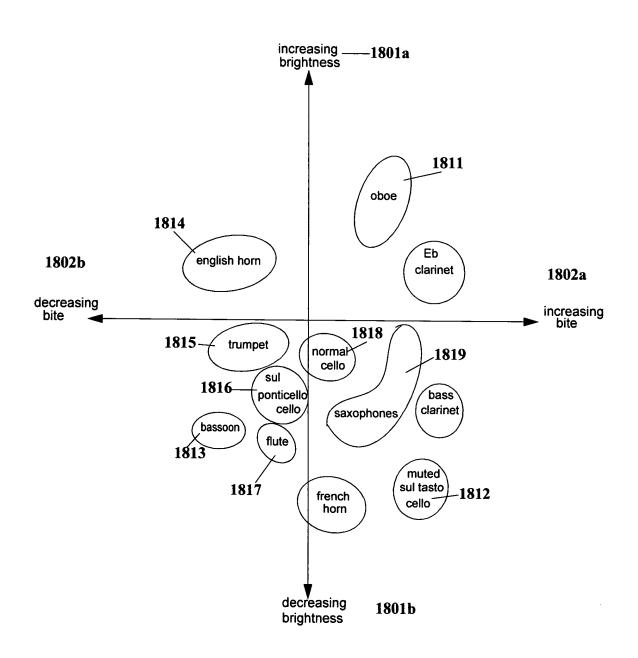


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 18



Inventor:

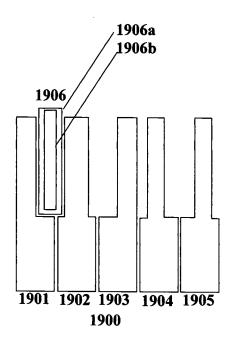
Lester F. Ludwig

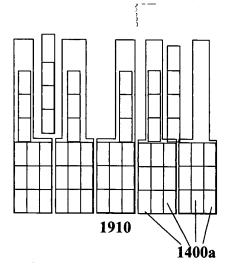
Docket No.:

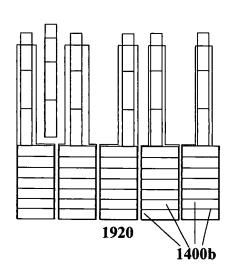
2738-29

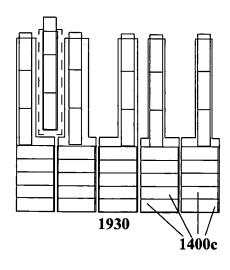
19 / 72

Figure 19









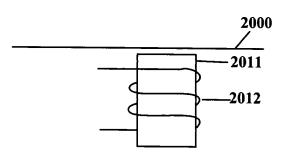
Inventor:

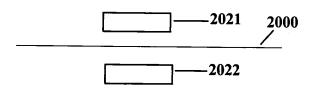
Lester F. Ludwig

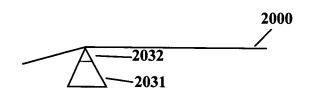
Docket No.:

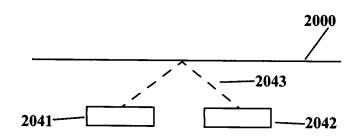
2738-29 **20 / 72**

Figure 20



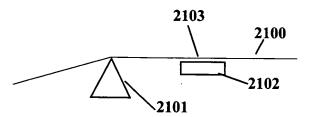






LAYERED SIGNAL PROCESSING FOR INDIVIDUAL AND GROUP OUTPUT OF MULTI-CHANNEL ELECTRONIC MUSICAL INSTRUMENTS
Inventor: Lester F. Ludwig
Docket No.: 2738-29

Figure 21

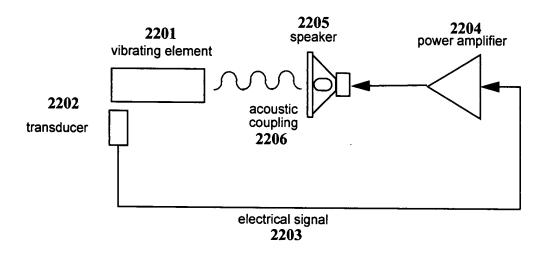


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 22

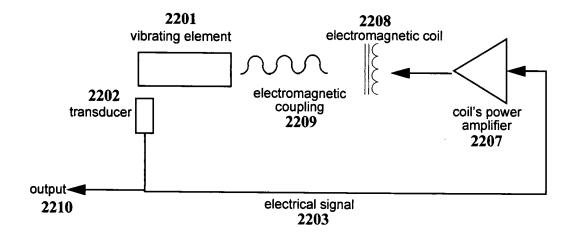


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 23

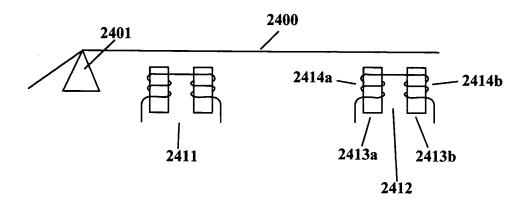


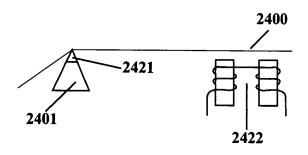
Inventor: Le

Lester F. Ludwig 2738-29

Docket No.:

Figure 24

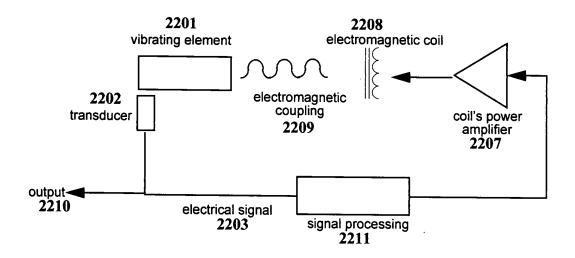




Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 25

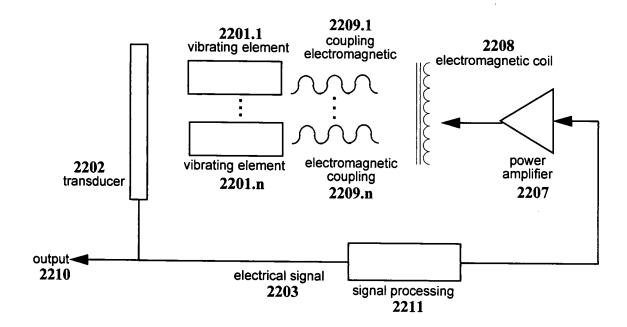


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 26

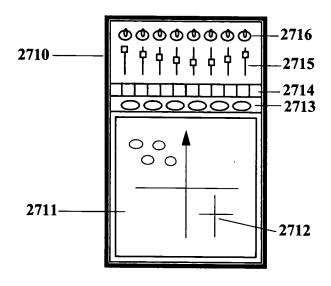


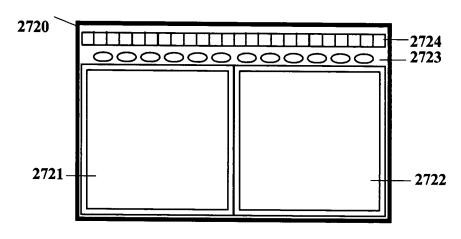
Inventor: Lester F. Ludwig

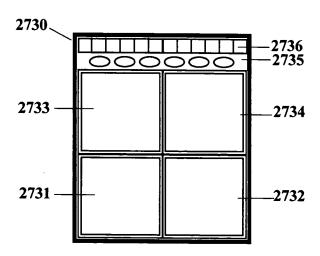
Docket No.: 2738-29

27 / 72

Figure 27







Inventor:

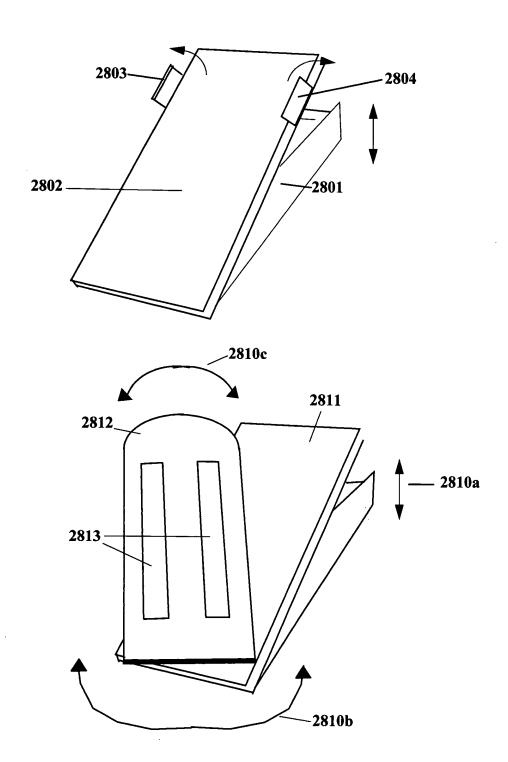
Lester F. Ludwig

Docket No.:

2738-29

28 / 72

Figure 28



Inventor:

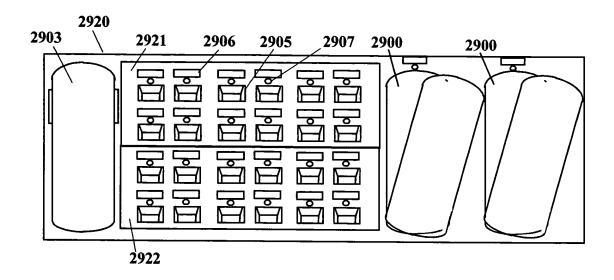
Lester F. Ludwig

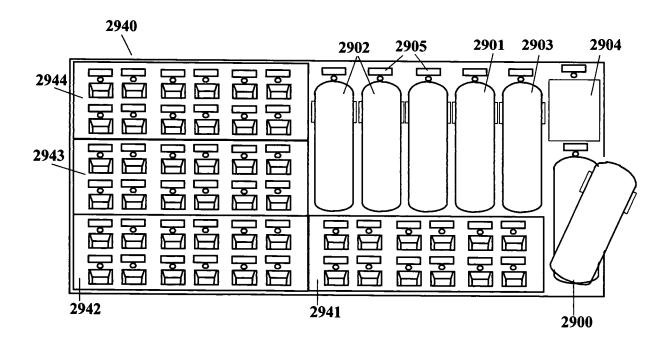
Docket No.:

2738-29

29 / 72

Figure 29



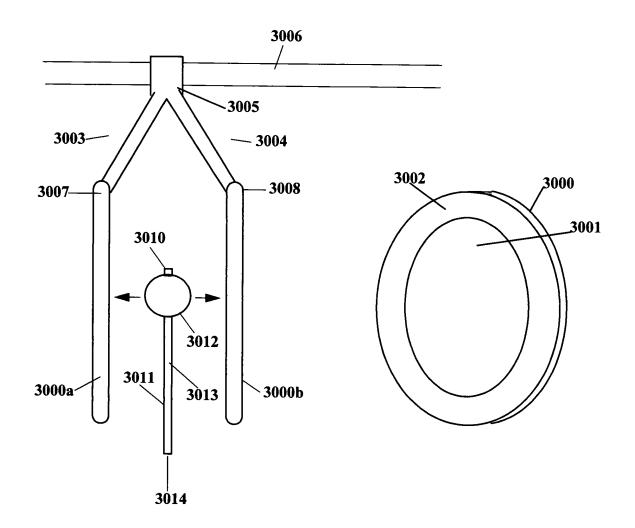


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 30

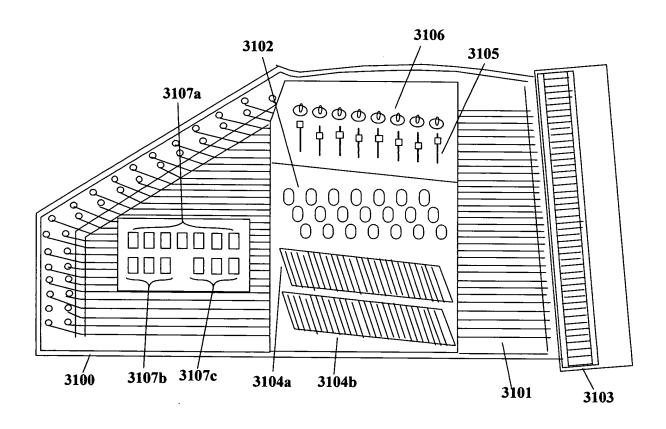


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 31

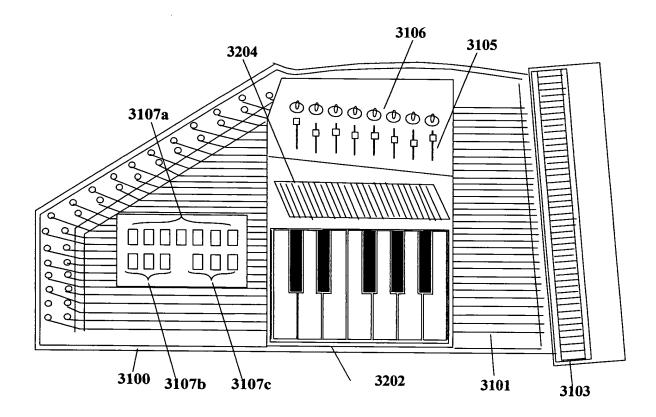


Inventor:

Lester F. Ludwig 2738-29

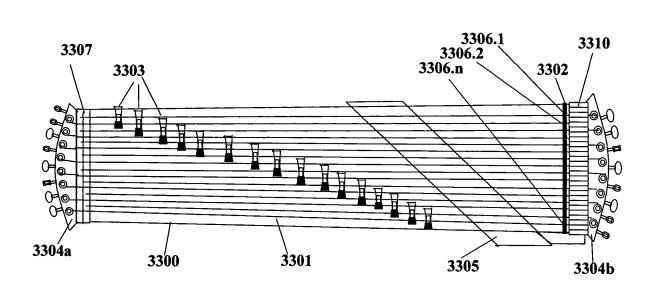
Docket No.:

Figure 32



Inventor: Lester F. Ludwig
Docket No.: 2738-29

Figure 33



Inventor:

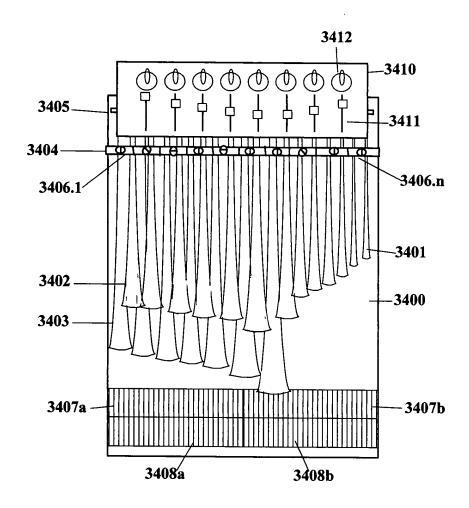
Lester F. Ludwig

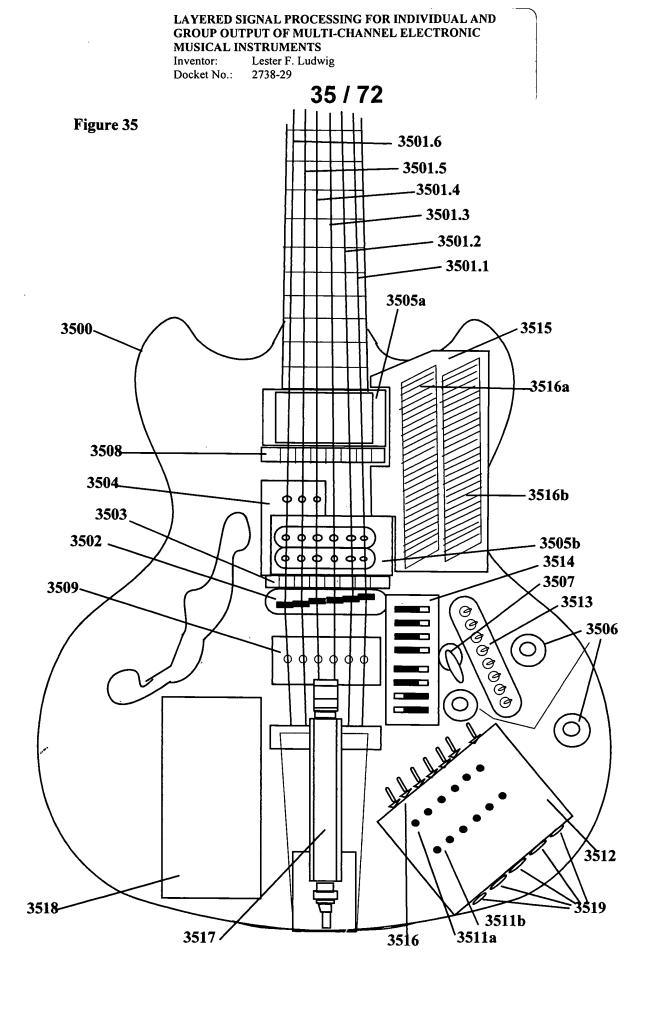
Docket No.:

2738-29

Figure 34





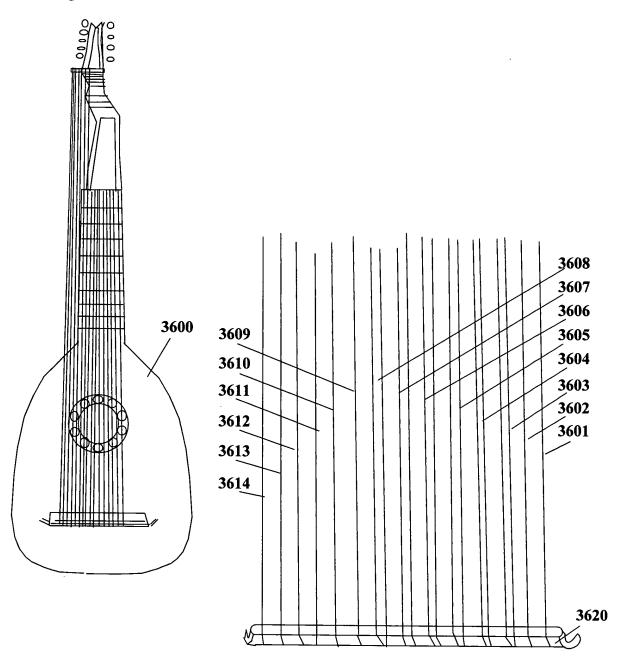


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 36



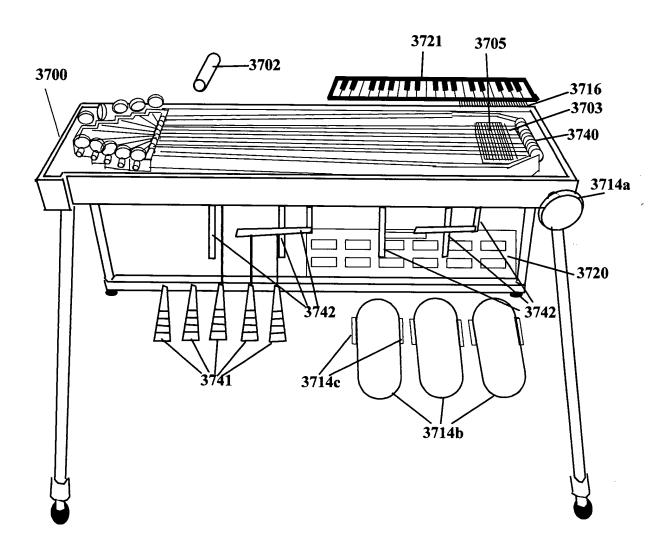
Inventor:

Lester F. Ludwig

2738-29

Docket No.:

Figure 37



Inventor:

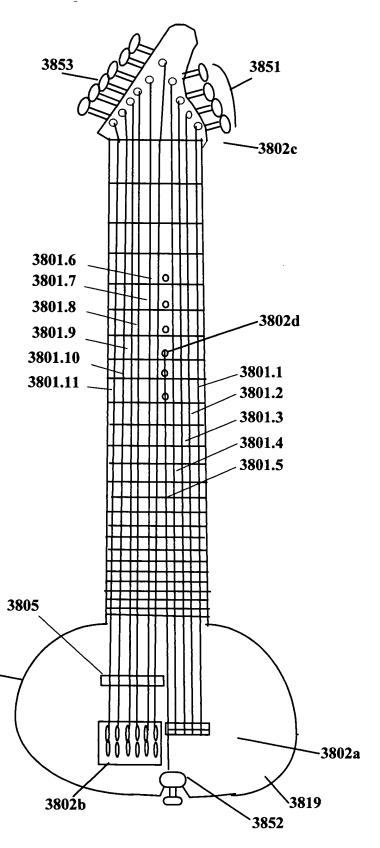
Lester F. Ludwig

Docket No.: 2738-29

38 / 72

Figure 38

3800

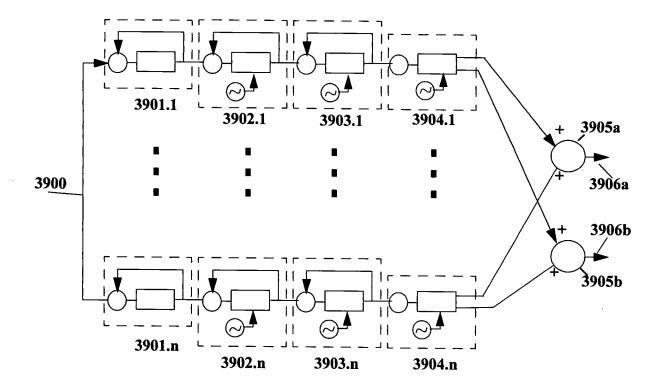


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 39

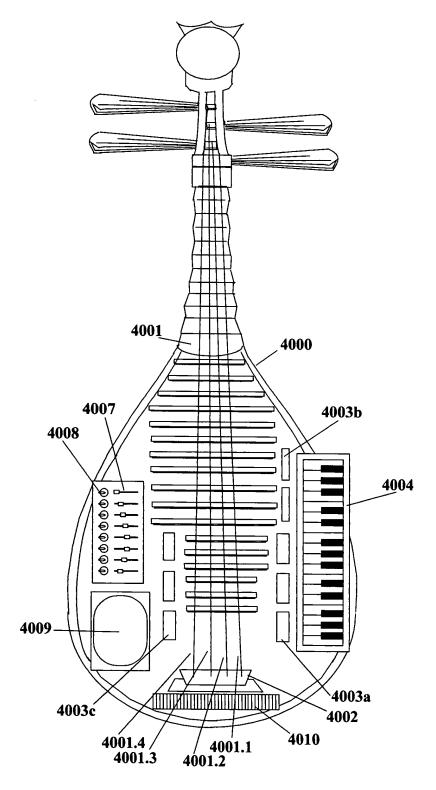


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 40

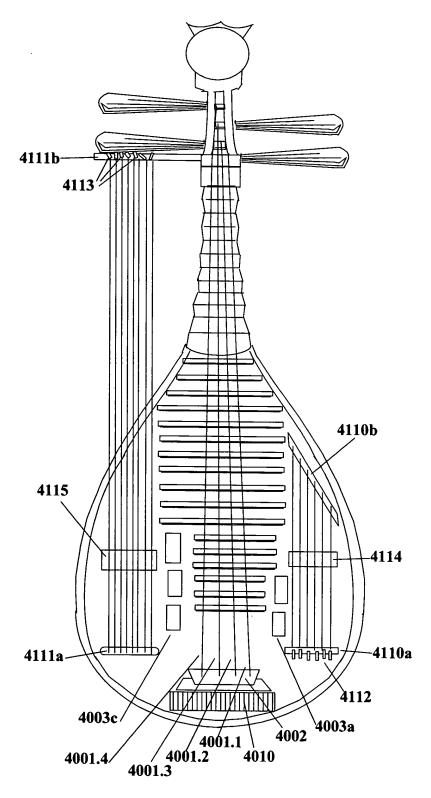


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 41

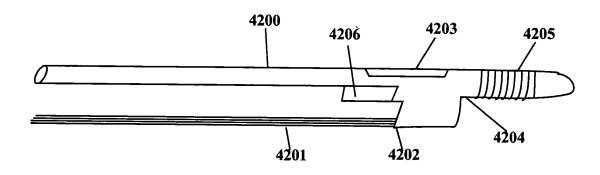


Inventor:

Lester F. Ludwig 2738-29

Docket No.: 2738-2

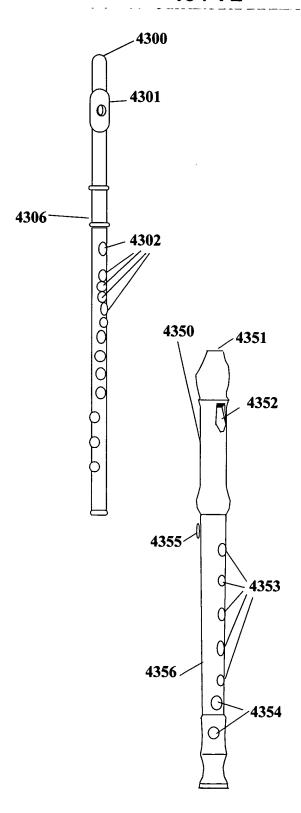
Figure 42



MUSICAL INSTRUMENTS
Inventor: Lester F. Ludwig

Docket No.: 2738-29

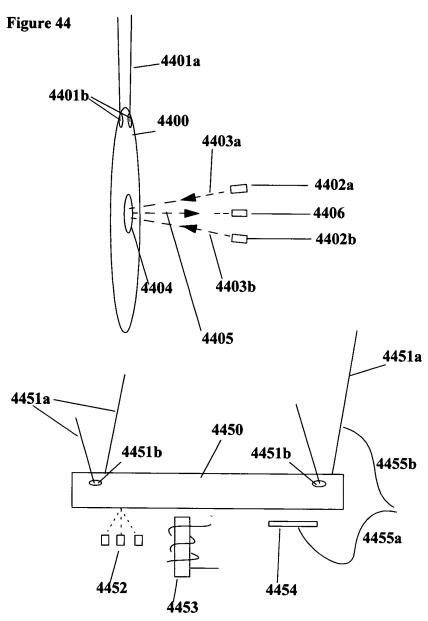
Figure 43



Inventor:

Lester F. Ludwig

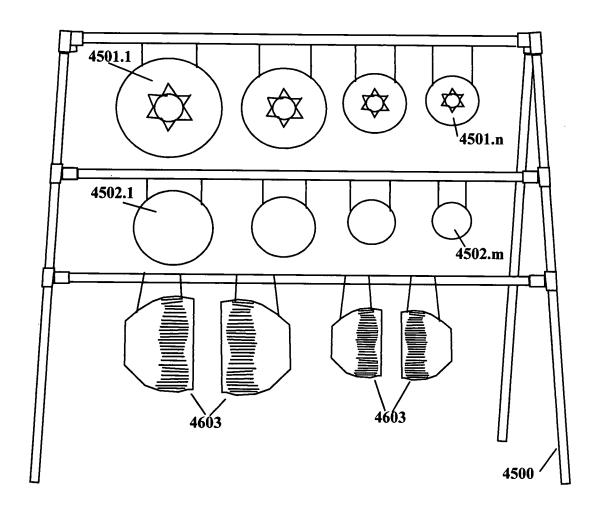
Docket No.: 2738-29



Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 45

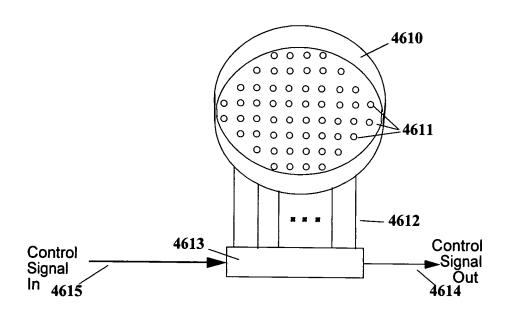


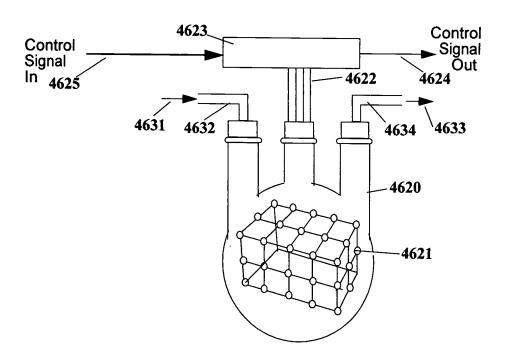
46 / 72

Inventor: Lester F. Ludwig

Docket No.: 2738-29

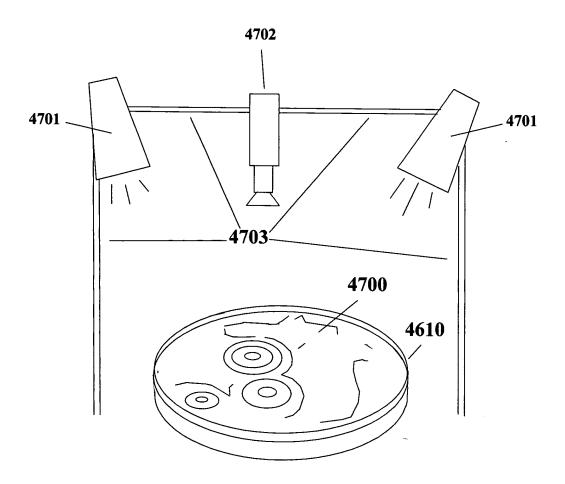
Figure 46





Inventor: Lester F. Ludwig
Docket No.: 2738-29

Figure 47

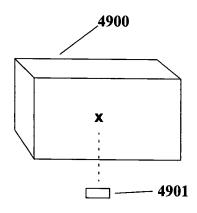


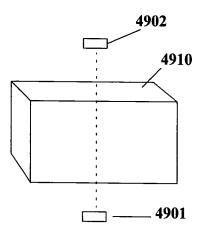
Inventor:

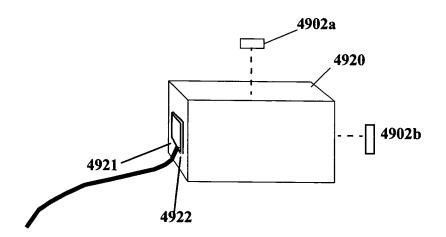
Lester F. Ludwig 2738-29

Docket No.:

Figure 48





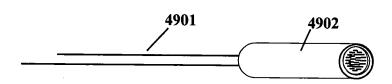


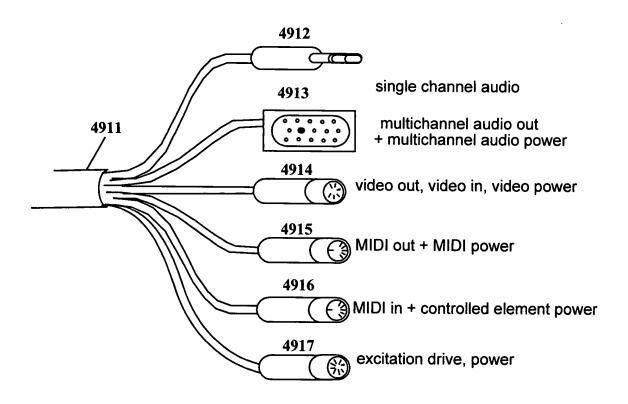
Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 49



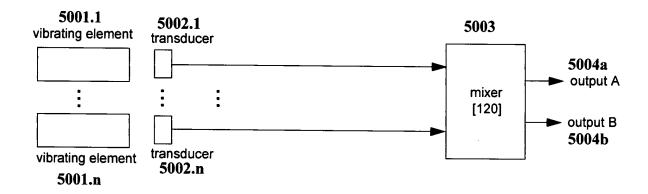


Inventor:

Lester F. Ludwig

Docket No.: 2738-29

Figure 50

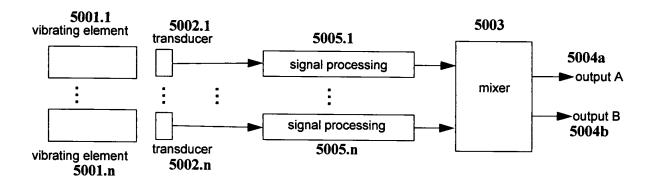


51/72

Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 51

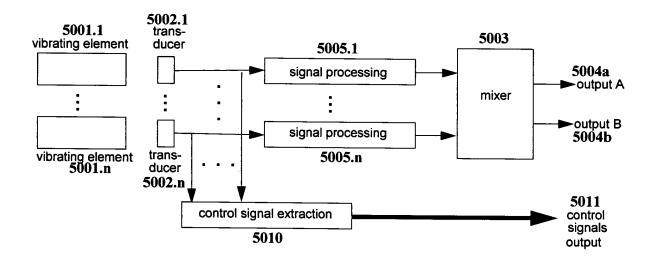


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 52

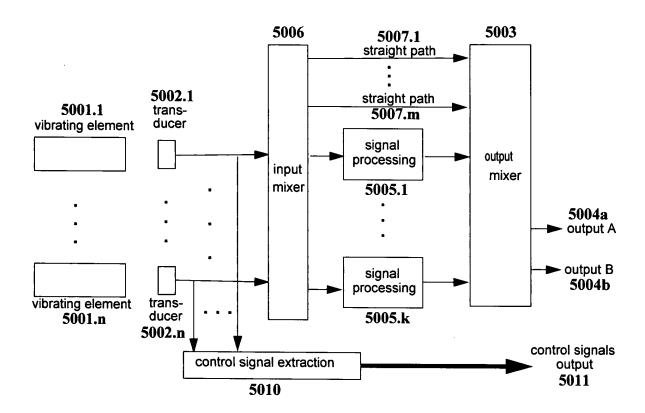


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

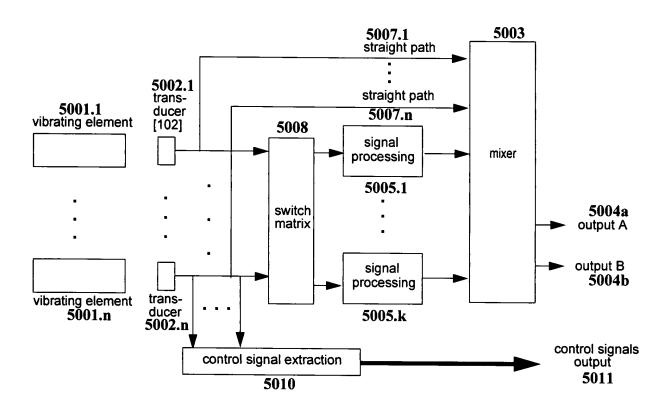
Figure 53



Inventor: Lester F. Ludwig

Docket No.: 2738-29

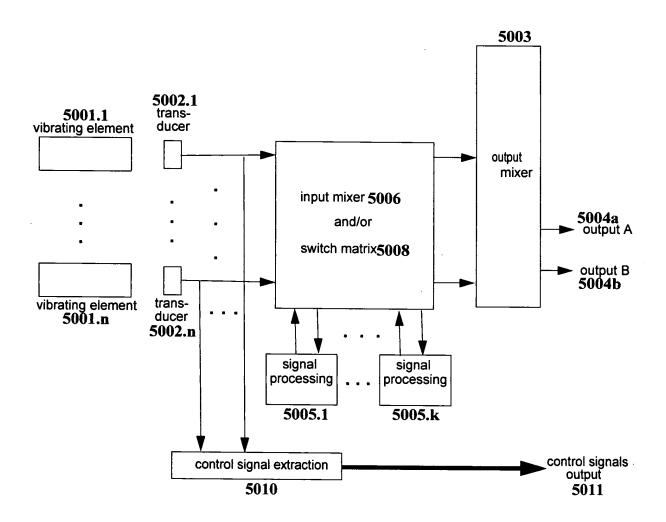
Figure 54



Inventor: Lester F. Ludwig

Docket No.: 2738-29

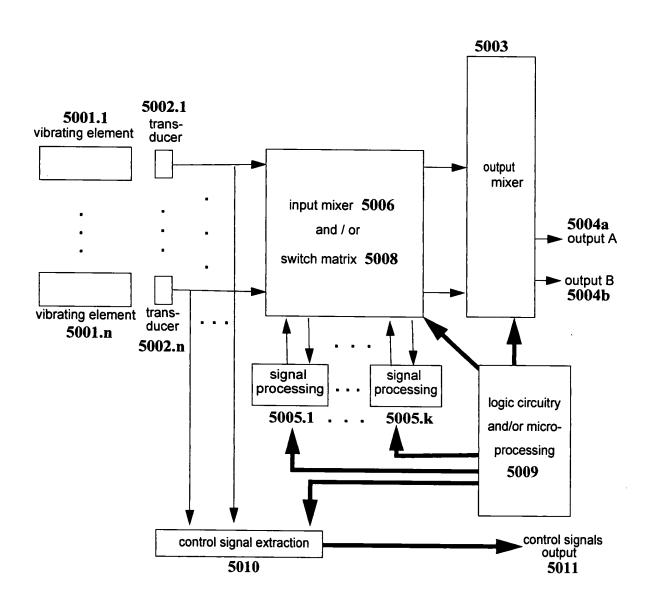
Figure 55



Inventor: Lester F. Ludwig

Docket No.: 2738-29

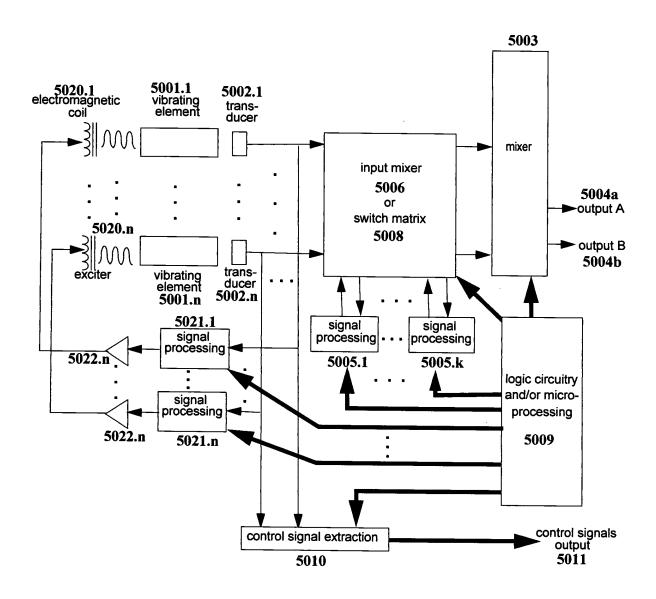
Figure 56



Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 57

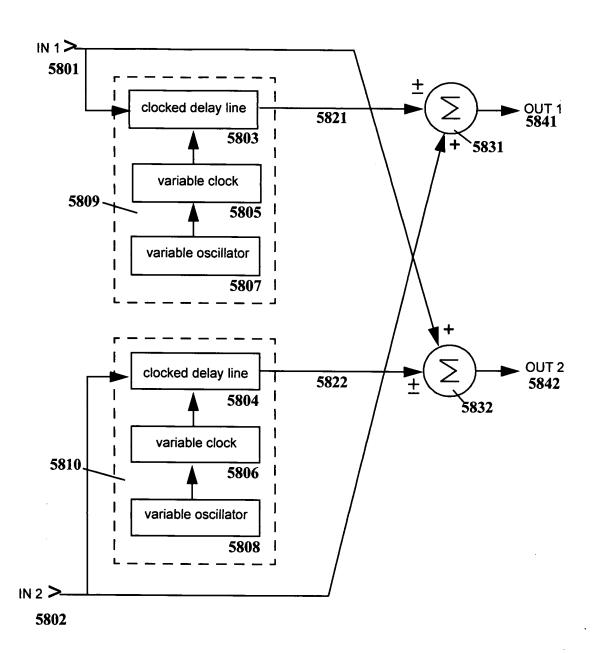


Inventor: Lester F. Ludwig

Docket No.: 2738-29

58 / 72

Figure 58

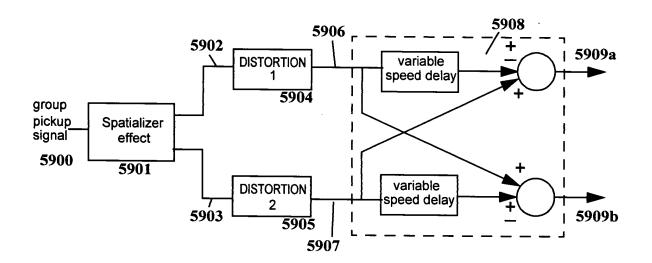


LAYERED SIGNAL PROCESSING FOR INDIVIDUAL AND GROUP OUTPUT OF MULTI-CHANNEL ELECTRONIC MUSICAL INSTRUMENTS
Inventor: Lester F. Ludwig

2738-29

Docket No.:

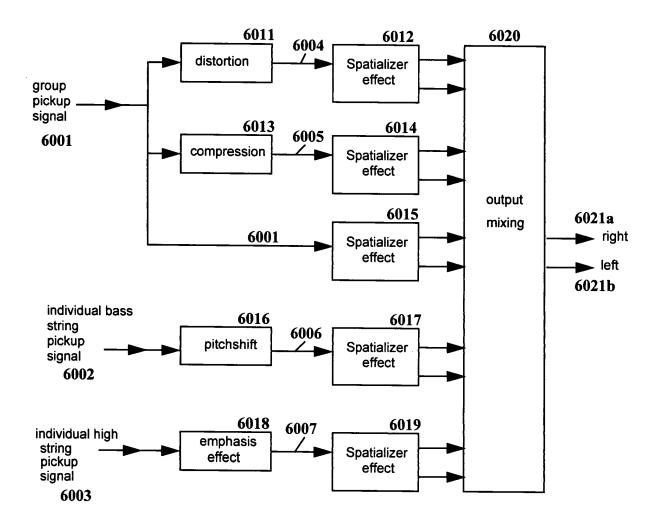
Figure 59



Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 60



61 / 72

Inventor:

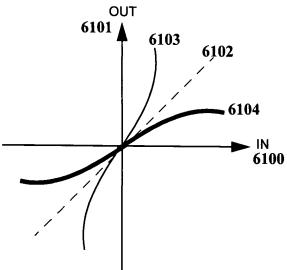
Lester F. Ludwig

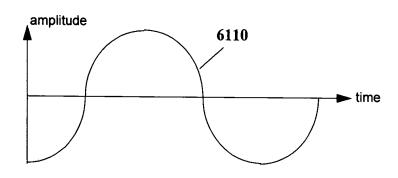
Docket No.:

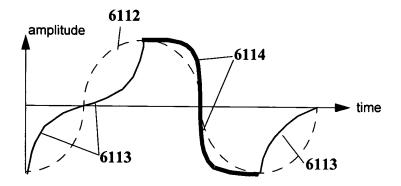
2738-29

Figure 61





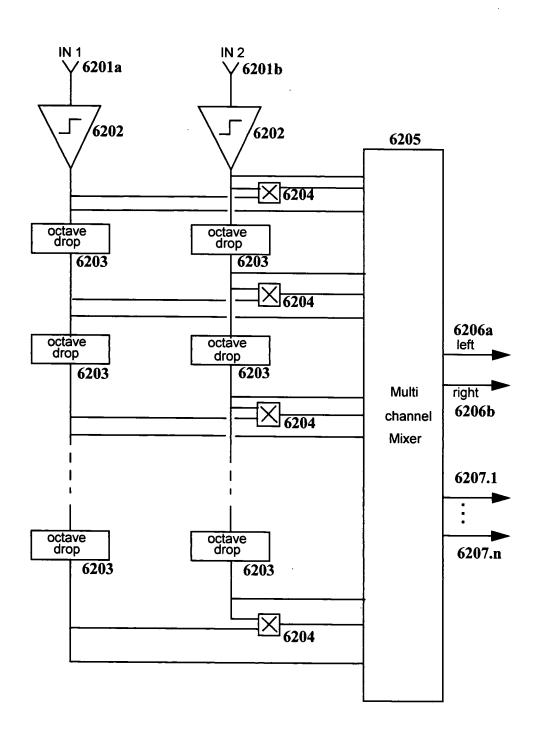




Inventor: Lester F. Ludwig

Docket No.: 2738-29

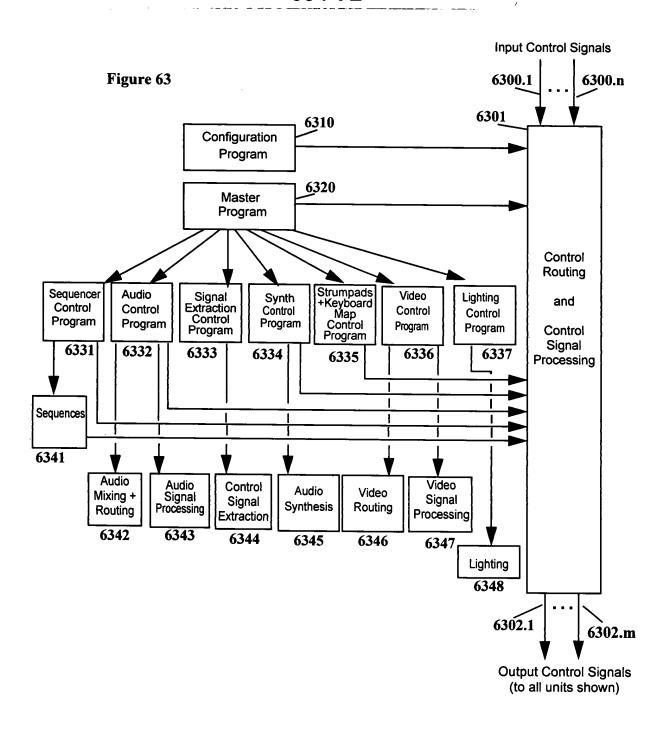
Figure 62



Inventor:

Lester F. Ludwig 2738-29

Docket No.:



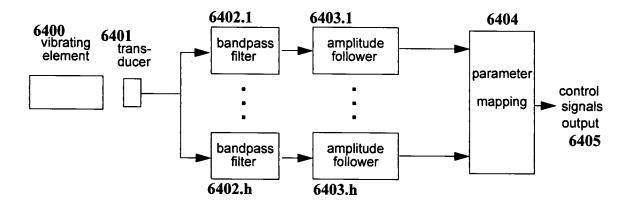
Inventor:

Lester F. Ludwig

Docket No.:

2738-29 **64 / 72**

Figure 64

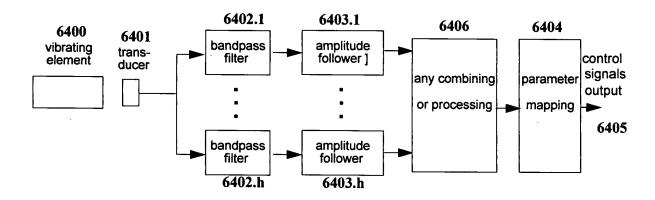


Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 65



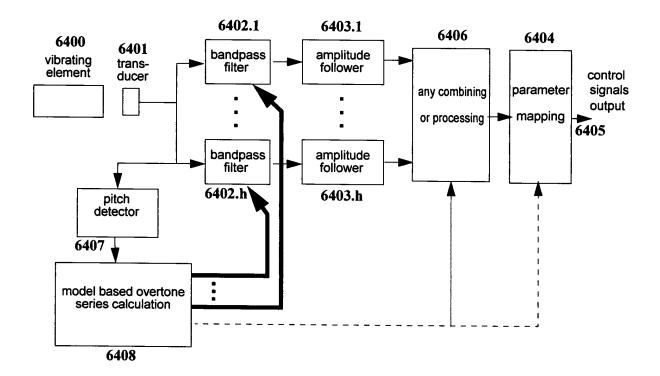
Inventor:

Lester F. Ludwig

2738-29

Docket No.:

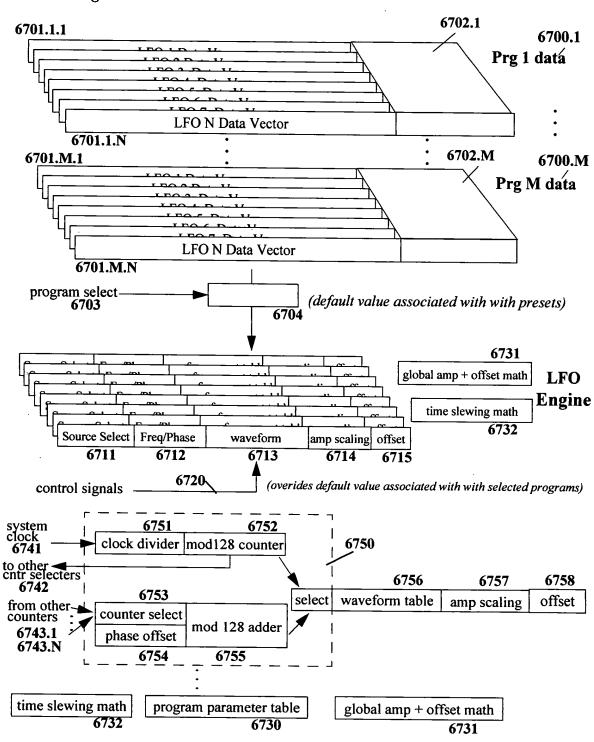
Figure 66



Inventor: Lester F. Ludwig

Docket No.: 2738-29

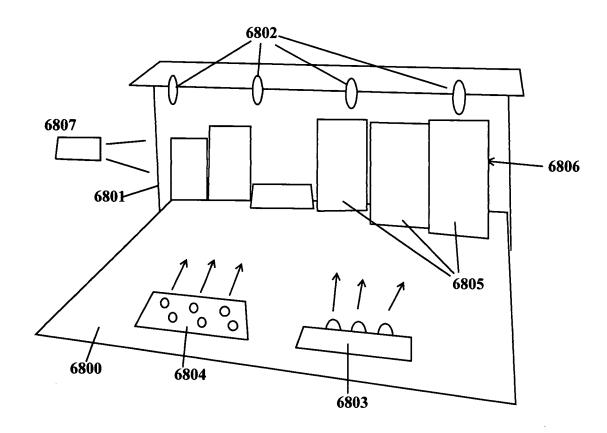
Figure 67



Inventor: Lester F. Ludwig

Docket No.: 2738-29

Figure 68

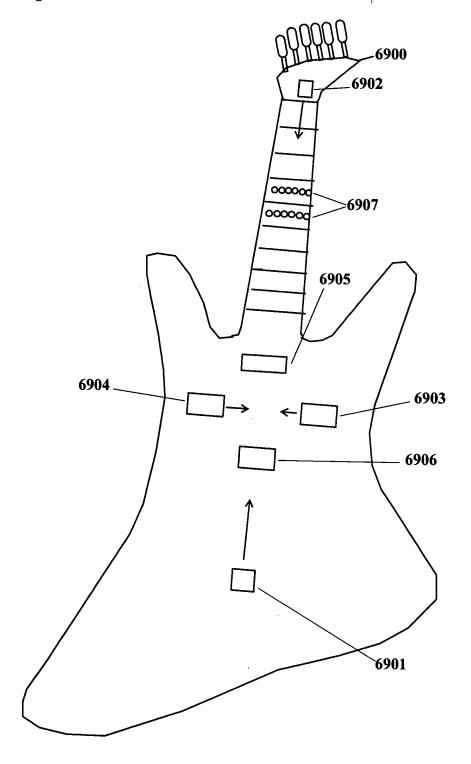


Inventor:

Lester F. Ludwig 2738-29

Docket No.: 2

Figure 69

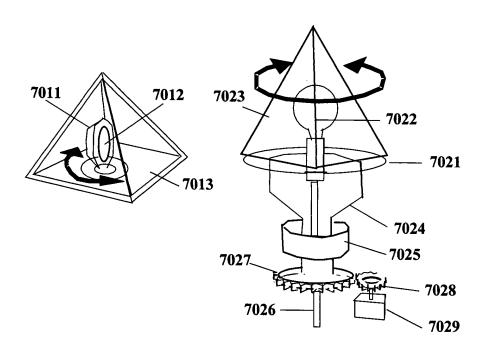


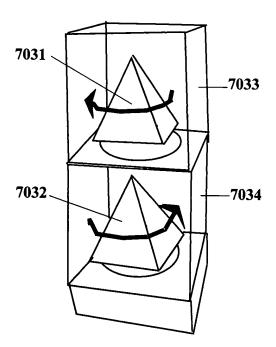
Inventor:

Lester F. Ludwig 2738-29

Docket No.: 273

Figure 70



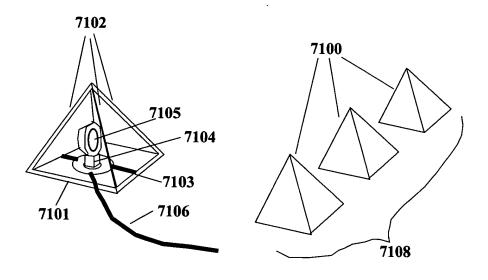


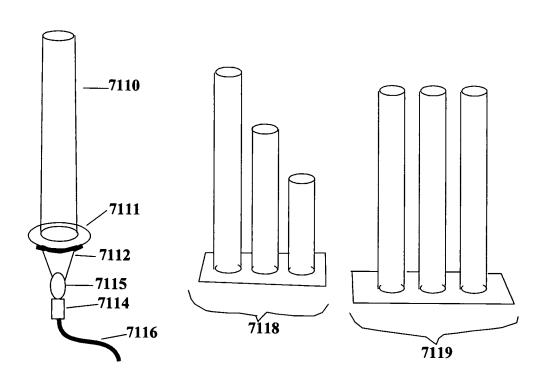
Inventor:

Lester F. Ludwig 2738-29

Docket No.:

Figure 71





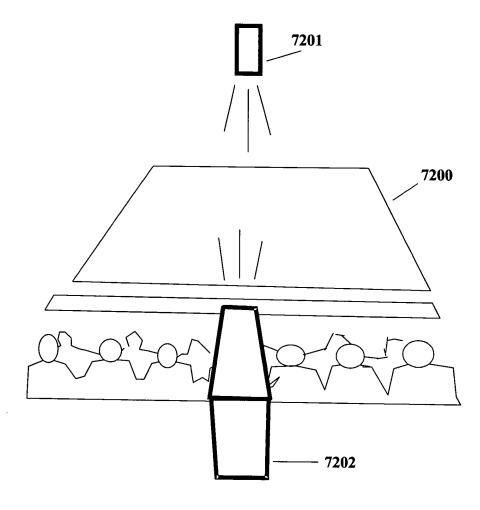
(a) Inventor:

Lester F. Ludwig 2738-29

Docket No.: 2

72 / 72

Figure 72



ı